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الجمهورية اللبنانية
وزارة الزراعة

قرار رقم: ١/١٠٦٨

الوقاية من دخول بكتيريا *Xylella fastidiosa* مع المواد النباتية المستوردة

إن وزير الزراعة،

بناءً على المرسوم رقم ١١٢١٧ تاريخ ٢٠١٤/٢/١٥ (تشكيل الحكومة)،

بناءً على المرسوم رقم ٥٢٤٦ تاريخ ٢٠ / ٦ / ١٩٩٤ (تنظيم وزارة الزراعة)،

بناءً على القانون رقم ٣١ تاريخ ١٨ / ١ / ١٩٥٥ وتعديلاته (تحديد مهام وزارة الزراعة)،

بناءً على القانون رقم ٧٧٨ تاريخ ٢٨ / ١١ / ٢٠٠٦ (الحجر النباتي وتدابير الصحة النباتية)،

بناءً على القرار رقم ١/٧٨٣ تاريخ ٢٦ / ٨ / ٢٠١١ (استيراد مواد الاكثار للأشجار المثمرة) لا سيما المادة الخامسة منه،

بناءً على القرار ١/١٦١ تاريخ ٤ / ٣ / ٢٠١٥ (تعديل القرار رقم ١/٧٨٣ تاريخ ٢٦ / ٨ / ٢٠١١)

وفي إطار الجهود المبذولة لمنع انتقال بكتيريا *Xylella fastidiosa* الى لبنان مع المواد النباتية التي تحمل هذه الافة،
وحيث أن مكافحة بكتيريا (*Xylella fastidiosa*) واجب زراعي مهني وطني وعلى الجميع التعاون لمنع دخول هذه

البكتيريا المدمرة إلى الأراضي اللبنانية.

بناءً على ضرورات المصلحة العامة،

بناءً على اقتراح مدير عام الزراعة،

يقرر ما يأتي:

المادة الأولى: ترفق إرساليات الشتول المثمرة والتزيينية من جميع النباتات وأجزاء النباتات من أوراق وأغصان وجذوع وزهور (باستثناء البذور) المذكورة في الملحق بهذا القرار بشهادة صحية زراعية أصلية تتضمن في خانة الإقرار الإضافي خلوها من ال *Xylella fastidiosa*، و بشهادة تثبت أنها أنتجت في أماكن خالية من البكتيريا المذكورة وتحت رقابة وإشراف المنظمة الوطنية لوقاية النبات لدول المنشأ، مع ذكر اسم منطقة الإنتاج.

المادة الثانية: على موظفي الحجر الصحي الزراعي التشدد في مراقبة الشتول والأجزاء المستوردة المذكورة في الملحق من هذا

القرار.

نقد

للمقيم

القرار

المادة الثالثة: ينشر هذا القرار ويبلغ الى من يلزم ويعمل به بعد نشره في الجريدة الرسمية على أن يستثنى منه الإرساليات التي
يثبت شحنها قبل تاريخ نشره بموجب بوليصة الشحن أو bill of lading.

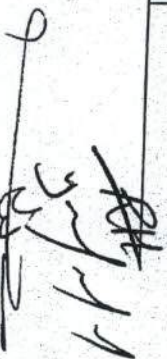
بيروت، في ١١-١١-٢٠١٥



تبلغ نسخة إلى:

الأمانة العامة لمجلس الوزراء
مجلس الخدمة المدنية
هيئة التفقيش المركزي
المجلس الأعلى للجمارك
المديرية العامة لجمارك
وزارة الاقتصاد والتجارة
اتحاد غرف التجارة والصناعة والزراعة
الجريدة الرسمية (للتفضل بالنشر)
مديرية الشروة الزراعية
المصالح الإقليمية لتبليغ مراكز الحجر الصحي الزراعي
الديوان - المحفوظات

Acacia	Coffea spp.	Heteromeles	Nandina domestica	Quercus lobata	Symphoricarpos
Acacia saligna	Commelina	Hibiscus schizopetalus	Neptunia lutea	Quercus macrocarpa	Syringa
Acanthospermum	Conium maculatum	Holcus	Nerium oleander	Quercus palustris	Toxicodendron diversilobum
Acer macrophyllum	Convolvulus	Hordeum	Nicotiana glauca	Quercus phellos	Trifolium
Acer platanoides	Conyza	Ilex vomitoria	Oenanthë	Quercus rubra	Ulmus Americana
Acer rubrum	Coprosma	Ipomoea purpurea	Oenothera	Quercus spp.	Umbellularia
Acer saccharum	Cornus	Iva	Olea europae	Quercus velutina	Urtica
Aesculus californica	Coronopus	Jacaranda mimosifolia	Panicum	Quercus virginiana	Vaccinium corymbosum
Albizia julibrissin	Cydonia oblonga	Juglans spp.	Parthenocissus	Ranunculus	Verbena
Albizia julibrissin	Cynodon	Juniperus ashei	Paspalum dilatatum	Ratibida columnifera	Veronica
Alnus	Cyperus eragrostis	Koeleruteria	Pelargonium	Reseda	Vicia
Alternanthera	Cytisus	Lactuca scariola	Pennisetum	Rhamnus alaternus	Vinca
Ambrosia acanthicarpa	Datura	Lagerstromia indica	Persea Americana	Rheum	Vitis spp.
Ambrosia artemisiifolia	Daucus	Lantana	Persicaria	Rhus	Westringia fruticosa
Ampelopsis arborea	Digitaria	Lathyrus	Phalaris	Richardia	Xanthium strumarium



Amsinckia	Duranta	Lavandula dentata	Phleum	Rosa	
Artemisia	Echinochloa crus-galli	Ligustrum lucidum	Phoenix reclinata	Rosmarinus officinalis	
Avena	Encelia	Lippia nodiflora	Phoenix robelenii	Rubus trivialis	
Baccharis halimifolia	Epilobium	Liquidambar styraciflua	Photinia	Rumex	
Brachiaria plantaginea	Eragrostis	Liriodendron tulipifera	Phyllanthus	Salix laevigata	
Brassica	Eriochola	Lolium	Pinus taeda	Salix lasiolepis	
Bromus	Erodium moschatum	Lonicera japonica	Pistachia	Salix spp.	
Callicarpa americana	Eucalyptus camaldulensis	Ludwigia	Pittosporum	Salsola	
Callistephus	Eucalyptus spp.	Lupinus	Plantago	Salvia	
Canna	Eugenia	Lycopersicon	Platanus occidentalis	Sambucus nigra	
Capsella	Euphorbia	Magnolia grandiflora	Pluchea	Sapindus	
Carex	Fagus crenata	Majorana	Poa	Schinus	
Carya illinoensis	Festuca	Malus domestica	Polygala myrtifolia	Senecio	
Cassia	Ficus carica	Malva parviflora	Polygonum	Senna	
Catharanthus roseus	Fragaria	Marrubium	Populus	Setaria magna	
Catharanthus spp.	Franseria	Medicago sativa	Portulacca	Sida malvaceae	

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Celastrus	Fraxinus pennsylvanica	Melilotus	Prunus armeniaca	Silybum	
Celtis	Fushia	Melissa	Prunus avium, P. cerasus	Simmondsia chinensis	
Ceanothus	Genista	Mentha	Prunus domestica, P. salicina	Sisymbrium	
Cercis occidentalis	Geranium	Metrosideros	Prunus dulcis	Solanum	
Chamaecrista fasciculata	Ginkgo biloba	Modiola caroliniana	Prunus persica	Solidago	
Chenopodium quinoa	Gleditsia	Montia	Pyrus pyrifolia	Sonchus	
Chionanthus retusus	Godetia	Morus alba	Pyrus spp	Sorghum	
Chitalpa tashkinensis	Hedera Helix	Morus nigra	Quercus imbricaria	Spartium junceum	
Citrus spp.	Helianthus annuus	Morus rubra	Quercus alba	Spermacoce	
Coelorachis cylindrica	Hemerocallis	Myrtus communis	Quercus coccinea	Stellaria	

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CITRUS spp.

Insects

Draeculacephala minerva
Carneocephala fulgida
Graphocephala atropunctata
Homalodisca vitripennis (= *H. coagulata*)
Toxoptera citricida
Metcalfa pruinosa
Icerya seychellarum
Pseudococcus longispinus
Pseudococcus citri
Ceroplaste sp.
Parlatoria ziziphus
Acaudaleyrodes rachipora
Aleurolobus marlatii
Thrips hawaensis
Aleurocantus spp.
Aleurothrixus floccosus
Brevipalpus californicus
Brevipalpus lewisi
Eutetranychus orientalis
Phyllocoptruta oleivora
Eriophyid mites
Polyphagotarsonemus latus

Virus, viroids and Virus-like diseases

Citrus impetratura virus
Citrus tristeza virus
Citrus leaf rugose virus
Citrus tatterleaf virus
Citrus leprosis virus
Citrus mosaic virus
Citrus psorosis virus
Citrus vein enation virus
Citrus ring spot virus
Citrus variegation virus
Cristacortis
Concave gum
Citrus cachexia viroid
Citrus exocortis viroid

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Fungus

Phytophthora sp

Phaeoramularia angolensis

Phytoplasmas

Lime witches broom phytoplasma

Spiroplasmas

Spiroplasma citri

Bacteria

Citrus huanglongbing (citrus greening)

Xanthomonas axonopodis pv. *citri*

Nematodes

Tylenchulus semipenetrans

Meloidogyne spp

Pratylenchus vulnus

Radopholus similis (Cobb)

Xiphinema index ~~PH~~

3/11/11

شتول اجاص وسفرجل خالية من الآفات التالية

PEARS & QUINCES

Insects

Draeculacephala minerva
Carneiocephala fulgida
Graphocephala atropunctata
Homalodisca vitripennis (= *H. coagulata*)
Epidiaspis leperii
Pseudaulacaspis pentagona
Quadraspidiotus perniciosus
Quadraspidiotus ostreiformis
Stephanitis pyri
Lepidosaphes ulmi
Parlatoria oleae
Cacopsylla pyricola
Maconellicoccus hirsutus
Bemisia tabaci
Frankliniella occidentalis
Thrips hawaensis
Taeniothrips inconsequence
Thrips imaginis
Thrips tabaci
Edwardsiana rosae
Typhlocyba pomaria
Panonychus ulmi
Brevipalpus lewisi

Fungus

Chondrostereum purpureum
Nectria galligena
Phytophthora spp.
Rosellinia necatrix
Venturia spp.
Verticillium spp.
Glomerella cingulata
Pezicula malicorticis
Pezicula alba
Roessleria pallida
Phyllosticta solitaria
Alternaria mali
Venturia nashicola

Bacteria

~~XX~~

3-1-1-1-

Agrobacterium tumefaciens
Pseudomonas syringae pv. *syringae*
Erwinia amylovora

Virus

Apple chlorotic leaf spot virus
Apple stem-grooving virus
Apple stem-pitting virus

Phytoplasmas

Pear decline phytoplasma

Virus-Like Organisms

Pear bark split
Pear bark necrosis
Pear rough bark
Quince deformation (stony pit ?)
Apple rubbery wood
Quince yellow blotch
Pear stony pit

Viroids

Pear Blister canker viroid

Nematodes

Stubby root nematode *Nanidorus minor*
Xiphinema sp.
Pratylenchus penetrans.
Meloidogyne sp.
Crictonemella xenoplax *2H*

5/11/1-

شتول تفاح خالية من الآفات التالية

APPLE (*Malus domestica*)

Insects

Draeculacephala minerva
Carneocephala fulgida
Graphocephala atropunctata
Homalodisca vitripennis (= *H. coagulata*)
Eriosoma lanigerum
Epidiaspisle perii
Pseudaulacaspis pentagona
Quadraspidiotus perniciosu
Quadraspidiotus ostreiformis
Stephanitis pyri
Maconellicoccus hirsutus
Frankliniella occidentalis
Thrips hawaensis
Thrips imaginis
Thrips tabaci
Edwardsiana rosae
Typhlocyba pomaria
Panonychus ulmi
Brevipalpus lewisi

Fungus

Chondrostereum purpureum
Nectria galligena
Phytophthora spp.
Rosellinia necatrix
Verticillium spp.
Pezicula malicorticis
Pezicula alba
Roessleria pallida
Phyllosticta solitaria
Alternaria mali

Virus

Apple chlorotic leaf spot virus
Apple mosaic virus
Apple stem-grooving virus
Apple stem-pitting virus

Phytoplasmas

Apple proliferation phytoplasma

Virus Like Organisms

Chat fruit

Apple green crinkle
Apple bumpy fruit of Ben Davis
Apple horseshoe wound
Apple rough skin
Apple star crack
Apple ring spot
Apple rubbery wood
Apple flat limb
Apple russet wart
Russet ring

Viroids

Apple dimple fruit viroid
Apple scar skin viroid
Apple fruit crinkle viroid
Apple scar skin viroid

Nematodes

Xiphinema sp.
Pratylenchus penetrans.
Meloidogyne sp.
Crictonemella xenoplax ~~XX~~

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OLIVE TREE (*Olea europaea*)

Insects

Draeculacephala minerva
Carneocephala fulgida
Graphocephala atropunctata
Homalodisca vitripennis (= *H. coagulata*)
Eusziphera pinguis
Saissetia oleae
Saissetia coffea
Parlatoria oleae
Resseliella oleisuga
Dasineura oleae
Phloeotribus scarabaeoide
Hylesinus oleiperda
Otiorrhynchus cribricollis
palpita unionalis
Euphyllura olivina
Aceria oleae

Fungus

Verticillium dahliae

Bacteria

Pseudomonas syringae pv. *savastanoi*
Xylella fastidiosa

Virus

Arabis Mosaic virus
Strawberry latent ringspot virus
Cucumber mosaic virus

Nematodes

Meloidogyne spp. ~~24~~

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شتول لوزيات خالية من الآفات التالية

PLUMS (*Prunus domestica* L. & *Prunus salicina* L.)

Insects and mites (Plum)

Draeculacephala minerva
Carneocephala fulgida
Graphocephala atropunctata
Homalodisca vitripennis (= *H. coagulata*)
Anarsia lineatella
Epidiaspis leperii
Pseudauleacaspis pentagona
Quadraspidiotus perniciosus
Lepidosaphes ulmi
Parlatoria oleae
Parlatoria pergandii
Assymetrasca decedens
Brachycaudus helichrysi
Brachycaudus cardui
Capnodis carbonaria
Empoasca decipiens
Hyalopterous pruni
Monosteira unicostata
Mysus persicae
Parthenolecanium corni
Parthenolecanium persicae
Pterochloroides persicae
Retithrips syriacus
Scolytus amygdale
Scolytus rugulosus
Sphaerolecanium prunastri
Thrips major
Thrips tabaci
Sinoxylon sexdentatum
Stephanitis pyri
Bryobia rubrioculus
Orthotydeus californicus
Eutetranychus carpini
Panonychus ulmi
Tetranychus urticae
Tetranychus viennensis
Aculopsfockeui

Fungus (Plum)

Chondrostereum purpureum
Verticillium spp. 



Apiosporina morbosa
Monilinia fructicola

Bacteria (Plum)

Xylella fastidiosa
Agrobacterium tumefaciens
Pseudomonas syringae pv. *morsprunorum*
Pseudomonas syringae pv. *syringae*
Xanthomonas arboricola pv. *pruni*

Virus (Plum)

American plum line pattern
Apple chlorotic leaf spot virus
Apple mosaic virus
Myrobalan latent ring spot virus
Plum pox virus
Prune dwarf virus
Prunus necrotic ring spot virus
Peach mosaic virus
Tomato ringspot virus
Plum bark necrosis stem pitting-associated virus

Raspberry ringspot virus

Phytoplasms (Plum)

European stone fruit yellows (Peach yellows phytoplasma)
Peach rosette phytoplasma
Peach X-disease phytoplasma

Nematodes (Plum)

Meloidogyne spp.
Ring nematode *Mesocriconema* (= *Criconebella*) *xenoplax*
Dagger nematode *Xiphinema* sp.
Root lesion nematode *Pratylenchus vulnus* ~~RX~~

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APRICOT (*Prunus armeniaca* L.)

Insects (Apricot)

Draeculacephala minerva
Carneocephala fulgida
Graphocephala atropunctata
Homalodisca vitripennis (= *H. coagulata*)
Anarsia lineatella
Capnodis tenebrionis
Capnodis carbonaria
Pseudaulacaspis pentagona
Quadraspidiotus perniciosus
Lepidosaphes ulmi
Parlatoria oleae
Brachycaudus helishrysi
Assymetrasca decedens
Hyalopterous amygdali
Frankliniella occidentalis
Monosteira unicostata
Myzus persicae
Parthenolecanium corni
Scolytus amygdali
Scolytus rugulosus
Thrips tabaci
Stephanitis pyri

Fungus (Apricot)

Chondrostereum purpureum
Verticillium spp.
Apiosporina morbosa
Monilinia fructicola
Eutypa lata
Apiognomonina erythrostoma

Bacteria (Apricot)

Xylella fastidiosa
Agrobacterium tumefaciens
Pseudomonas syringae pv. *morsprunorum*
Pseudomonas syringae pv. *syringae*
Xanthomonas arboricola pv. *pruni*,

Virus (Apricot)

Apple chlorotic leaf spot virus
Apple mosaic virus
Plum pox virus
Prune dwarf virus
Prunus necrotic ring spot virus
Peach mosaic virus
Plum bark necrosis stem pitting-associated virus
Strawberry latent ringspot virus
Tomato ringspot virus
Cherry necrotic rusty mottle virus

Phytoplasma (Apricot)

European stone fruit yellows phytoplasma (Apricot chlorotic leafroll phytoplasma)
Peach rosette phytoplasma
Peach X-disease phytoplasma

Virus Like Organisms (Apricot)

Peach asteroid spot agent

Nematodes (Apricot)

Meloidogyne spp.
Ring nematode *Mesocriconema* (= *Criconebella*) *xenoplax*
Dagger nematode *Xiphinema* sp.
Root lesion nematode *Pratylenchus vulnus* RH

3-1-14

ALMOND (*Prunusdulcis* L.)

Insects (Almond)

Draeculacephala minerva
Carneocephala fulgida
Graphocephala atropunctata
Homalodisca vitripennis (= *H. coagulata*)
Anarsialineatella
Capnodistenebrionis
Capnodis carbonaria
Pseudaulacaspispentagona
Quadraspidotusperniciosus
Lepidosaphesulmi
Parlatoriaoleae
Brachycaudus helichrysi
Empoasca decipiens
Hyalopterous amygdale
Odinadiplosis amygdali
Parthenolecanium corni
Parthenolecanium persicae
Sphaerolecanium prunastri
Scolytus amygdale
Scolytus rugulosus
Thrips major
Thrips imaginis
Thrips tabaci
Aceria phloeocoptes
Brevipalpus phoenicis

Fungus (Almond)

Chondrostereum purpureum
Verticillium spp.
Apiosporina morbosa
Monilinia fructicola

Bacteria (Almond)

Xylella fastidiosa
Agrobacterium tumefaciens
Pseudomonas amygdali
Xanthomonas arboricola pv. *pruni*,

Virus (Almond)

Apple chlorotic leaf spot virus
Apple mosaic virus
Prune dwarf virus
Prunus necrotic ring spot virus

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Tomato black ring virus
Peach mosaic virus
Plum bark necrosis stem pitting-associated virus

Phytoplasmas (Almond)

European stone fruit yellows phytoplasma
Peach rosette phytoplasma
Peach X-disease phytoplasma
Peach yellows phytoplasma

Nematodes (Almond)

Meloidogyne spp.
Ring nematode *Mesocriconema* (= *Criconebella*) *xenoplax*
Dagger nematode *Xiphinema* sp.
Root lesion nematode *Pratylenchus vulnus* ~~PH~~

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PEACH (*Prunus persica* L.)

Insects (Peach)

Draeculacephala minerva
Carneocephala fulgida
Graphocephala atropunctata
Homalodisca vitripennis (= *H. coagulata*)
Anarsia lineatella
Capnodis tenebrionis
Capnodis carbonaria
Epidiaspis leperii
Pseudaulacaspis pentagona
Quadraspidiotus perniciosus
Lepidosaphes ulmi
Parlatoria oleae
Bryobia preatiosa
Panonychus ulmi
Tetranychus urticae
Assymetrasca decedens
Brachycaudus helichrysi
Empoasca decipiens
Frankliniella occidentalis
Hyalopterus amygdali
Monosteira unicostata
Mysus persicae
Pterochloroides persicae
Scolytus amygdali
Scolytus rugulosus
Taeniothrips inconsequence
Taeniothrips meridionalis
Thrips major
Thrips imaginis
Thrips tabaci
Stephanitis pyri

Fungus (Peach)

Chondrostereum purpureum
Verticillium spp.
Apiosporina morbosa
Monilinia fructicola

Bacteria (Peach)

Xylella fastidiosa

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Agrobacterium tumefaciens
Pseudomonas syringae pv. *morsprunorum*
Pseudomonas syringae pv. *persicae*
Xanthomonas arboricola pv. *pruni*

Virus (Peach)

American plum line pattern
Apple chlorotic leaf spot virus
Apple mosaic virus
Cherry green ring mottle virus
Plum pox virus
Prune dwarf virus
Prunus necrotic ringspot virus
Strawberry latent ringspot virus
Tomato black ring virus
Tomato ringspot virus
Peach mosaic virus
Peach rosette mosaic virus
Plum bark necrosis stem pitting-associated virus
Arabis mosaic virus
Cherry necrotic rusty mottle virus
Cherry rasp leaf virus

Phytoplasma (Peach)

European stone fruit yellows phytoplasma
Peach rosette phytoplasma
Peach X-disease phytoplasma
Peach yellows phytoplasma

Viroids (Peach)

Peach latent mosaic viroid

Nematodes (Peach)

Meloidogyne spp.
Ring nematode *Mesocriconema* (= *Criconebella*) *xenoplax*
Dagger nematode *Xiphinema* sp.
Root lesion nematode *Pratylenchus penetrans* 



CHERRY (*Prunus avium* L.) & SOUR CHERRY (*Prunus cerasus* L.)

Insects (Cherry)

Draeculacephala minerva
Carneocephala fulgida
Graphocephala atropunctata
Homalodisca vitripennis (= *H. coagulata*)
Capnodis tenebrionis
Capnodis carbonaria
Pseudaulacaspis pentagona
Quadraspidiotus perniciosus
Lepidosaphes ulmi
Parlatoria oleae
Assymetrasca decedens
Brachycaudus helishrysi
Empoasca decipiens
Frankliniella occidentalis
Thrips tabaci
Monosteira unicostata
Myzus persicae
Parthenolecanium corni
Scolytus amygdali
Scolytus rugulosus
Sinoxylon sexdentatum
Stephanitis pyri

Fungus (Cherry)

Chondrostereum purpureum
Verticillium spp.
Apiosporina morbosa
Monilinia fructicola
Apiognomonina erythrostoma

Bacteria (Cherry)

Agrobacterium tumefaciens
Pseudomonas syringae pv. *morsprunorum*
Pseudomonas syringae pv. *Syringae*
Xanthomonas arboricola pv. *pruni*
Xylella fastidiosa (on black cherry: *Prunus serotina*)

Virus (Cherry)

American plum line pattern
Apple chlorotic leafspot virus ~~PH~~

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Apple mosaic virus
Arabid mosaic virus
Plum Pox virus
Prune dwarf virus
Prunus necrotic ringspot virus
Strawberry latent ring spot
Tomato black ring virus
Tomato ringspot virus
Tobacco ringspot virus
Plum bark necrosis stem pitting-associated virus
Little cherry virus 1
Little cherry virus 2
Arabid mosaic virus
Cherry leafroll virus
Cherry rasp leaf virus
Cherry necrotic rusty mottle virus
Raspberry ringspot virus

Virus Like Organisms (Cherry)

Cherry necrotic rusty mottle
Cherry rusty mottle

Phytoplasma (Cherry)

European stone fruit yellows phytoplasma
Peach rosette phytoplasma
Peach X-disease phytoplasma
Peach yellows phytoplasma

Nematodes (Cherry)

Meloidogyne spp.
Ring nematode *Mesocriconema* (= *Criconebella*) *xenoplax*
Dagger nematode *Xiphinema* sp.
Root lesion nematode *Pratylenchus* sp. *PH*

g. J. A.

Grapevine

Insects

Draeculacephala minerva
Carneocephala fulgida
Graphocephala atropunctata
Homalodisca vitripennis (= *H. coagulata*)
Metcalfa pruinosa
Viteus vitifoliae
Margarodes prieskaensis
Margarodes vitis
Margarodes vredendalensis

Virus

Grapevine fanleaf virus
Grapevine leafroll-associated virus 1
Grapevine leafroll-associated virus 2
Grapevine leafroll-associated virus 3
Grapevine leafroll-associated virus 5
Grapevine leafroll-associated virus 6
Grapevine leafroll-associated virus 7
Grapevine virus A
Grapevine virus B
Grapevine rupestris stem pitting-associated virus
Grapevine Arabis mosaic

Phytoplasmas

Flavescence dorée
Bois noir

Bacteria

Grapevine Pierce's disease (*Xylella fastidiosa*)
Xylophilus ampelinus
Agrobacterium spp.

Nematodes

Longidorus spp.
Meloidogyne spp.
Dagger nematode *Xiphinema* sp.
Root lesion nematode *Pratylenchus* sp.
Citrus nematode *Tylenchulus semipenetrans* ~~PH~~

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